

Mortar Barrel Wear Study



Objectives

- **Eliminate Mortar Barrel erosion.**
- **Investigate future coatings to extend service life of future barrels. Determine alternatives for future barrel coatings or mortar propellants.**

Payoff

- **Extend current mortar barrel life.**
- **Extend future mortal barrel **life**.**

Technical Approach

- **Conduct investigation into current mortar barrel wear to determine cause of barrel wear.**
- **Determine alternatives to current mortar barrels or propellants to reduce, eliminate barrel wear.**

Performer:

- **NRL Tribology Section**

SCHEDULE:

TASKS	FY04	FY05	FY06	FY07
WEAR ANALYSIS	△—△			
TEST NEW SPECIMENS	△—△			
EVAL/SIM TEST MATERIALS	△—△			
FINAL REPORT		△		

TRANSITION: MARCORSYSCOM, PM Infantry Weapons